

Sea Level Rise in Santa Clara County

Presentation by Cristina Milesi, First Author, NASA Ames Research Center, Moffett Field, CA at the “Meeting the Challenge of Sea Level Rise in Santa Clara County” on June 19, 2005

Santa Clara County, bordering with the southern portion of the San Francisco Bay, is highly vulnerable to flooding and to sea level rise (SLR). In this presentation, the latest sea level rise projections for the San Francisco Bay will be discussed in the context of extreme water height frequency and extent of flooding vulnerability. I will also present preliminary estimations of levee requirements and possible mitigation through tidal restoration of existing salt ponds.

The examples will draw mainly from the work done by the NASA Climate Adaptation Science Investigators at NASA Ames.